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Measurement of intergranular attack in stainless steel using ultrasonic energy.

(57) The disclosure describes a unique combination of ultrasonic test methods to measure the depth of intergranular attack (IGA) in a stainless steel specimen (3). The ultrasonic test methods include a pitchcatch surface wave technique and a through-wall pulse-echo technique. When used in combination, these techniques can establish the extent of IGA on poth the front (9) and back (10) surfaces of a stainless steel specimen from measurements made on only one surface.

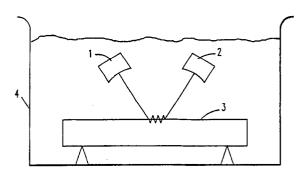


FIG.1



EUROPEAN SEARCH REPORT

EP 88 11 8692

	DOCUMENTS CONSI		D-14	Of rectanguation on the
Category	Citation of document with i of relevant pa	ndication, where appropriate, ssages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	EP-A-0 232 613 (TH CO.) * Whole document *	E BABCOCK AND WILCOX	1-4	G 01 N 29/00
A	EP-A-0 049 401 (KR * Abstract; figure	AFTWERK UNION) 1 *	1-4	
A	US-A-4 366 713 (GI	LMORE et al.)	1-4	
	·			
				TECHNICAL FIELDS SEARCHED (Int. Cl.4)
				G 01 N
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	The present search report has l	peen drawn up for all claims		
Place of search THE HAGUE		Date of completion of the search 27-04-1990	KOU	Examiner ZELIS D.

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